

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A white balance adjustment circuit comprising:
 - a first gain adjuster that adjusts a signal level of a second analog image-capturing signal based on a color temperature of a subject, the second image-capturing signal being provided by an image-capturing element which captures an image of a subject through a spectroscopic element and outputs a first analog image-capturing signal corresponding to a first color, the second analog image-capturing signal corresponding to a second color and a third analog image-capturing signal corresponding to a third color;
 - a second gain adjuster that adjusts a signal level of the third analog image-capturing signal based on the color temperature of the subject, the third analog image-capturing signal being provided by the image-capturing element; ~~and~~
 - an A/D converter that performs A/D conversion of:
 - the first analog image-capturing signal to output a first digital image-capturing signal,
 - the second analog image-capturing signal adjusted by the first gain adjuster to output a second digital image-capturing signal, and
 - the third analog image-capturing signal adjusted by the second gain adjuster to output a third digital image-capturing signal; and
 - a white balance adjuster that adjusts a signal ratio among the first digital image-capturing signal, the second digital image-capturing signal having been adjusted by the first gain ~~adjuster-adjuster,~~ and the third digital image-capturing signal having been adjusted by the second gain adjuster to achieve a predetermined ~~ratio-ratio,~~ wherein

the white balance adjuster multiplies each of the first, the second and the third digital image-capturing signals by an adjustment coefficient larger than 1.

2. (Previously Presented) A white balance adjustment circuit according to claim 1, further comprising:

a color temperature detector that detects the color temperature of the subject;

and

an instructing device that issues individual instructions for the first gain adjuster and the second gain adjuster to perform adjustment in correspondence to the color temperature detected by the color temperature detector.

3. (Previously Presented) A white balance adjustment circuit according to claim 2, wherein:

when the color temperature detected by the color temperature detector is lower than a predetermined value, the instructing device issues instructions for the first gain adjuster and the second gain adjuster to set respective gains to predetermined initial values and when the color temperature is equal to or higher than the predetermined value, the instructing device issues instructions for the first gain adjuster and the second gain adjuster to set the gains lower than the respective initial predetermined values.

4. (Currently Amended) A white balance adjustment circuit according to claim 2, further comprising:

a third gain adjuster that adjusts a signal level of the first analog image-capturing signal provided by the image-capturing element; and

a brightness detector that detects a brightness level of the subject, wherein:

when the brightness detected by the brightness detector is equal to or higher than a predetermined brightness value, the instructing device issues an instruction for the third gain adjuster to set a gain adjusted thereby to a predetermined initial value and when the

brightness level is lower than the predetermined brightness value, the instruction device issues an instruction for the third gain adjuster to set the gain higher than the predetermined initial value.

5. (Currently Amended) A white balance adjustment circuit according to claim 3, further comprising:

a third gain adjuster that adjusts a signal level of the first analog image-capturing signal provided by the image-capturing element; and

a brightness detector that detects a brightness level of the subject, wherein:

when the brightness detected by the brightness detector is equal to or higher than a predetermined brightness value, the instructing device issues an instruction for the third gain adjuster to set a gain adjusted thereby to a predetermined initial value and when the brightness level is lower than the predetermined brightness value, the instruction device issues an instruction for the third gain adjuster to set the gain higher than the predetermined initial value.

6. (Original) A white balance adjustment circuit according to claim 1, wherein:
the first color is G color, and one of either the second color or the third color is R color and the other is B color.

7. (Currently Amended) A white balance adjustment circuit comprising:
a first gain adjuster that adjusts a signal level of a first analog image-capturing signal based on a color temperature of a subject, the first analog ~~image-capturing~~ image-capturing signal being provided by an image-capturing element which captures an image of a subject through a spectroscopic element and outputs the first analog image-capturing signal corresponding to a first color, a second analog image-capturing signal corresponding to a second ~~color~~ color and a third analog image-capturing signal corresponding to a third color;

a second gain adjuster that adjusts a signal level of the second analog image-capturing signal based on the color temperature of the subject, the second analog image-capturing signal being provided by the image-capturing element;

a third gain adjuster that adjusts a signal level of the third analog image-capturing signal based on the color temperature of the subject, the third analog image-capturing signal being provided by the image-capturing element;

a signal level detector that individually detects the signal level of the first analog image-capturing signal having been adjusted by the first gain adjuster, the signal level of the second analog image-capturing signal having been adjusted by the second gain adjuster and the signal level of the third analog image-capturing signal having been adjusted by the third gain adjuster; and

an A/D converter that executes A/D conversion of:

the first analog image-capturing signal to output a first digital image-capturing signal,

the second analog image-capturing signal adjusted by the first gain adjuster to output a second digital image-capturing signal,

the third analog image-capturing signal adjusted by the second gain adjuster to output a third digital image-capturing signal; and

a white balance controller that individually controls the first gain adjuster, the second gain adjuster and the third gain adjuster so as to achieve a predetermined ratio among the individual analog image-capturing signal levels detected by the signal level ~~detector~~detector, wherein

the white balance adjuster multiplies each of the first, the second and the third digital image-capturing signals by an adjustment coefficient larger than 1.

8. (Previously Presented) A white balance adjustment circuit according to claim 7, further comprising:

a color temperature detector that detects the color temperature of the subject;

and

an instructing device that issues instructions for the second gain adjuster and the third gain adjuster to perform adjustment in correspondence to the color temperature detected by the color temperature detector.

9. (Previously Presented) A white balance adjustment circuit according to claim 8, wherein:

when the color temperature detected by the color temperature detector is lower than a predetermined value, the instructing device issues instructions for the second gain adjuster and the third gain adjuster to set respective gains to predetermined initial values and when the color temperature is equal to or higher than the predetermined value, the instructing device issues instructions for the second gain adjuster and the third gain adjuster to set the gains lower than the respective predetermined initial values.

10. (Previously Presented) A white balance adjustment circuit according to claim 8, further comprising:

a brightness detector that detects a brightness level of the subject, wherein:

when the brightness detected by the brightness detector is equal to or higher than a predetermined brightness value, the instructing device issues an instruction for the first gain adjuster to set a gain adjusted thereby to a predetermined initial value and when the detected brightness level is lower than the predetermined brightness value, the instruction device issues an instruction for the first gain adjuster to set the gain higher than the predetermined initial value.

11. (Previously Presented) A white balance adjustment circuit according to claim 9, further comprising:

a brightness detector that detects a brightness level of the subject, wherein:

when the brightness detected by the brightness detector is equal to or higher than a predetermined brightness value, the instructing device issues an instruction for the first gain adjuster to set a gain adjusted thereby to a predetermined initial value and when the detected brightness level is lower than the predetermined brightness value, the instruction device issues an instruction for the first gain adjuster to set the gain higher than the predetermined initial value.

12. (Original) A white balance adjustment circuit according to claim 7, wherein:

the first color is G color, and one of either the second color or the third color is R color and the other is B color.

13. (Original) An image-capturing apparatus having the white balance adjustment circuit according to claim 1.

14. (Original) An image-capturing apparatus having the white balance adjustment circuit according to claim 7.

15. (Currently Amended) A white balance adjustment circuit according to claim 1, wherein:

the white balance adjuster adjusts digital data of the second analog image-capturing signal having been adjusted by the first gain adjuster and digital data of the third analog image-capturing signal having been adjusted by the second gain adjuster.

16-18. (Canceled)